| Index of Claims | Αþ |
|-----------------|----|
| | 10 |
| | Ex |
| | Ja |

Application/Control No.

/717,331 aminer

ne Rhee

Applicant(s)/Patent under Reexamination

KATO ET AL.

Art Unit

1745

| √ | Rejected |
|---|----------|
| = | Allowed |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| | | Щ. | L_ | | | | J | | ᆫ | <u> </u> | |
|---------------|----------------------------|--|--------------|--|----------|--------------|--|---|------------|--|----------|
| | | | | | | | | | | | |
| Cla | aim | | | | | Dat | е | | | |] |
| Final | Original | 43/2/00 | | | | | | | | | • |
| | 1 2 3 4 5 | 7 | - | - | ┢ | ┢ | \vdash | | ┢ | - | 1 |
| | 2 | П | | | Г | Г | Π | | | | 1 |
| | 3 | H | \vdash | \vdash | _ | Г | | Г | _ | \vdash | 1, |
| — | 4 | H | | | \vdash | \vdash | \vdash | | \vdash | \vdash | 1 |
| | 5 | H | | \vdash | ┢ | \vdash | Ι- | | † * | ┢ | 1 |
| - | 6 | H | \vdash | ┢ | - | ╌ | - | _ | ┢ | | 1 |
| <u> </u> | 7 | Н | H | H | Н | Н | \vdash | | | | 1 |
| - | | H | ┢ | - | ╌ | ├─ | ┢ | \vdash | \vdash | \vdash | ŀ |
| | 8 9 | V | - | ┢ | ╁╌ | H | H | | H | | 1 |
| | 10 | Ť | T | H | H | H | ┢ | 一 | - | 1 | 1 |
| | 11 | T | | T | Т | \vdash | ┢ | ┢ | 1 | Т | 1 |
| | 12 | | <u> </u> | | | \Box | \vdash | Г | Ι- | | 1 |
| | 13 | | | | | | | | | | |
| | 11 12 13 14 15 | | | | | | | | | |] |
| | 15 | | _ | _ | \Box | \Box | <u> </u> | L | L | | Į! |
| | 16 17 18 19 | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | |
| | 17 | _ | ļ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L | L | <u> </u> | 11 |
| | 18 | <u> </u> | ├— | <u> </u> | | <u> </u> | ⊢ | _ | <u> </u> | ├- | ł. |
| \vdash | 20 | H | ┝ | ┢ | ┝ | <u> </u> | ┢ | ┢ | ┢ | - | <u> </u> |
| - | 21 | ┢ | | ┢ | \vdash | ┢ | ┢ | \vdash | - | 1 | 1 |
| _ | 22 | ┢╾ | \vdash | \vdash | \vdash | \vdash | \vdash | - | - | ╁ | , |
| | 22 23 | ┢ | | ı | 1 | | | _ | T | | |
| | 24 | | | | | | | | | | 1 |
| | 25 26 | | | | <u> </u> | | | $ldsymbol{le}}}}}}$ | | L | Ш |
| | 26 | _ | | _ | <u> </u> | <u> </u> | _ | <u> </u> | _ | <u> </u> | |
| | 27 | ⊢ | _ | ├ | ├ | - | | ┝ | H | ┞ | l |
| - | 28 29 | \vdash | _ | ⊢ | ├ | ⊢ | ⊢ | ├ | ├ | ├ | |
| | 30 | - | | ┝ | - | | ├─ | ⊢ | ⊢ | ┢ | i |
| | 31 | | ┢ | H | | H | | ┢ | ┢ | - | į. |
| | 32 | Т | \vdash | \vdash | T | | Г | | T | | 1 |
| | 33 | Γ | | | | | | T | Г | | 1 |
| | 34 | | | | | | | | | | |
| | 35 | | | | | | | | | | |
| igsquare | 36 37 | L. | | oxdot | L | L | L | L | | L | li |
| <u> </u> | 37 | <u> </u> | _ | \vdash | <u> </u> | \vdash | <u> </u> | L | <u> </u> | <u> </u> | ľ |
| $\mid - \mid$ | 38 39 | _ | - | _ | _ | \vdash | <u> </u> | \vdash | <u> </u> | <u> </u> | |
| \vdash | 40 | H | - | - | - | | \vdash | _ | - | - | i |
| | 41 | ┢ | | \vdash | \vdash | \vdash | \vdash | | - | \vdash | , |
| | 42 | | | | | | | | | | į |
| | 43 | | | | | | | | | | i |
| | 44 | تــا | | | L | \Box | | | | 匚 | Н |
| <u> </u> | 45 | \sqcup | _ | $ldsymbol{ld}}}}}}$ | L | L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| | 46 | \vdash | <u> </u> | <u> </u> | L_ | H | <u> </u> | Ш | _ | <u> </u> | li |
| \vdash | 47 48 | | | ļ | | <u> </u> | | | | <u> </u> | |
| \vdash | 48 | Н | _ | ⊢ | \vdash | \vdash | \vdash | - | \vdash | - | Į į |
| 1 | 50 | \vdash | | \vdash | \vdash | \vdash | \vdash | - | \vdash | | 1 |

| Cla | im | Γ | | | | Date | | | | | 1 | Cla | im | Г | | | | Date | | | | |
|----------|----------|----------|--|--------------|----------|----------|----------|----------|----------|--|----------|-------|----------|----------|---|----------|----------|--|----------|----------|----------|--------|
| <u> </u> | | 10 | 7 | П | _ | 1 | ř | Т | Г | _ | ļ. | 1016 | | \vdash | | 1 | | | Ť | ı | ı | 一 |
| Final | Original | 3/2/10 | | | | | | | | | | Final | Original | | | | | | | | | |
| | 1 | J | - | ┢ | ┢╌ | \vdash | H | H | ┢ | | 1 | | 51 | Н | | \vdash | ┢ | 1 | ┢─ | \vdash | \vdash | H |
| - | 2 | 1 | - | \vdash | ┢ | \vdash | \vdash | | | \vdash | 1 | | 52 | H | | \vdash | ┝ | | \vdash | ┢ | - | Н |
| | 3 | H | \vdash | \vdash | | \vdash | ┢╌ | ┢ | ├- | ┢ | | | 53 | Н | | \vdash | \vdash | - | ┢ | ├ | \vdash | Н |
| | 4 | H | | \vdash | <u> </u> | \vdash | \vdash | \vdash | \vdash | \vdash | <u> </u> | | 54 | Н | - | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | Н |
| | 5 | H | Н | \vdash | | \vdash | - | | - | - | 1 | | 55 | H | | | - | - | - | \vdash | \vdash | Н |
| | 6 | Н | | ┢ | - | | - | | 1 | | 1 | | 56 | H | | | ┢ | | \vdash | - | ┝╌ | Н |
| | 7 | H | \vdash | ┢ | \vdash | H | \vdash | \vdash | \vdash | ╁╌ | ł | | 57 | Н | | - | ┝ | - | - | - | \vdash | Н |
| | 8 | Н | ┢ | - | ┝ | ┝ | ┢ | \vdash | | | ŀ | | 58 | Н | - | | \vdash | - | - | - | ┢ | Н |
| | 9 | V | - | ╁╌ | <u> </u> | H | \vdash | | H | | 1 | | 59 | \Box | | | | | - | - | \vdash | Н |
| | 10 | Ť | | t | | | | <u> </u> | - | 1 | 1 | | 60 | | | | | H | | \vdash | \vdash | |
| | 11 | \vdash | \vdash | \vdash | | Г | ┢ | ┪ | 1 | \vdash | 1 | | 61 | П | | | | T | | | _ | |
| | 12 | | _ | | 1 | | | 1 | - | | 11 | | 62 | П | | | _ | | Г | | Т | |
| | 13 | | - | | | | | | <u> </u> | <u> </u> | 11 | | 63 | П | | _ | | | | Т | Т | |
| | 14 | | T | Г | | \vdash | | | | | 11 | | 64 | | | | | | | | | |
| - | 15 | | | | | | | 1 | i — | | [; | | 65 | \Box | _ | | | T | | | _ | |
| | 16 | İ | | | | | | | | | 1 | | 66 | П | | | | | | | | |
| | 17 | Τ | | | | | | | | | 1; | | 67 | | | | | | | | | |
| | 18 | | | | | | Т | | Т | | 11 | | 68 | | | | | Т | | | | |
| | 19 | | Т | Г | | | T | | <u> </u> | \vdash | i | | 69 | П | | | | Г | Г | | _ | |
| | 20 | | | | | | | | | 1 | 1 | | 70 | П | | | | | | | _ | |
| | 21 | | | T | | | | Г | T | | 1 | | 71 | П | | | | | | Т | | |
| | 22 | | \vdash | | | | \vdash | | | | 1: | | 72 | П | | | | T | | | - | |
| | 23 | | Г | | | | | _ | Г | 1 | 1 | | 73 | П | | | | \vdash | | | | |
| | 24 | \vdash | Г | | Г | | | | | | 1 | | 74 | П | | | | | Т | Г | М | |
| | 25 | Г | | П | | | | | \Box | | 1 | | 75 | | | | | | | | | Ħ |
| | 26 | | T | İ | | | \vdash | | \vdash | | 1 | | 76 | \Box | | | | | | | | П |
| | 27 | | | | | | | | | Г | 1 | | 77 | | | | | | | | | \neg |
| | 28 | | | | | | | | Ī | | , | | 78 | | | | | | | | | П |
| | 29 | | | | | | | | | | | | 79 | | | | | | | | | П |
| | 30 | | | | | | | | | Г | i | | 80 | | | | | | | | | |
| | 31 | | | | | | | | | | 1 | | 81 | | | | | | | | | \Box |
| | 32 | | | | | | | | | | 1 | | 82 | | | | | | | | | |
| | 33 | | | | | | | | | | | | 83 | П | | | | | | | | |
| | 34 | | | | | - | | | | Г | | | 84 | П | | | | | | | | |
| | 35 | | | | | | | | | | l¦ | | 85 | П | | | | | | - | | |
| | 36 | | | | | | | | | |] [| | 86 | | | | | | | | | |
| | 37 | | | | | | | | | |] | | 87 | П | | | | | | | | |
| | 38 | | | | | | | | | |] | | 88 | | | | | | | | | |
| | 39 | | | | | | | | | | li a | | 89 | | | | | | | | | |
| | 40 | | | | | | | | | | ! | | 90 | | | | | | | | | |
| | 41 | L | | | | | | | | | 1 | 7 | 91 | Ш | | | | | | | | |
| | 42 | | | | | | | | | | | | 92 | | | | | | | | | |
| | 43 | | L | \Box | | \Box | | | | <u> </u> | H | | 93 | | | | | | | | | |
|] | 44 | | L | | | | | L | | $oxedsymbol{oxed}$ | $\ \ $ |] | 94 | | | | | | | | | |
| | 45 | | | | | | | | | L | | | 95 | \Box | | | | | | | | |
| | 46 | \Box | | $oxed{\Box}$ | | | | | | | | | 96 | | | | | | | | | |
| | 47 | | | | | | | | | | | | 97 | | | | | | | | | |
| | 48 | | | | | | | | | | i i | | 98 | | | | | | | | | |
| | 49 | | | | | | | | | | li l | | 99 | | | | | | | | | ل |
|] | 50 | | | | | | | | | | | | 100 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

| Cla | aim | | | | | Date | e | | | |
|-------------|-------------------|----------|---------|----------|---|----------|----------|----------|--|----------|
| | | | | | | l i | | | | П |
| ā | ina | | | | | | | İ | | |
| Final | Original | 1 | | | | | | | | |
| | 0 | | | | | | | | | |
| | 101 | \vdash | | \vdash | ┢ | 一 | _ | | | |
| | 102 103 | | | | | | | | T | |
| | 103 | | | | | | \vdash | | | П |
| | 104 | \vdash | | | | | | | | |
| | 105 106 | | | | Ι | \vdash | _ | T | | П |
| | 106 | \vdash | | | | \vdash | | \vdash | \vdash | Н |
| | 107 | | | | | - | | ┪ | | П |
| | 108 | | | | | | | | | |
| | 108 109 | | | | | Ι- | _ | | | П |
| | 110 | | Г | | 1 | Г | \vdash | | | |
| | 111 | | | | | | | | | |
| | 111 112 113 | | | | | | | | | |
| | 113 | | | | | | | | | П |
| | 114 115 | | | | _ | | | | | |
| | 115 | | | | | | | | | П |
| | 116 | | | | | | | | | |
| | 117 | | | | | | | | | |
| | 118 | | | | | | | | | П |
| | 119 120 121 | | | | | | | | | |
| | 120 | | | | | | | | | П |
| | 121 | | | | | | | | | П |
| | 122 123 124 | | | | | | | | | П |
| | 123 | | | | | | | | | П |
| | 124 | | _ | | | | | | | П |
| | 125 126 127 | | | | | | | | | М |
| | 126 | | | | | | | | | |
| | 127 | | _ | | | | | | | |
| | 128 | | | | | | | | | |
| | 128 129 | | | | _ | | | | | |
| | 130 | | | | | | | | | |
| | 131 132 | | | | | | | | | |
| | 132 | | | | | Г | | | | |
| | 133 | | | | | _ | | | | П |
| | 134 | | | | | Г | | | | П |
| | 135 | | | | | | | | | |
| | 136 | | | | | | | | | |
| $\neg \neg$ | 136 137 | | | | | | | | | |
| | 138 | | | | | | | | | |
| | 139 | | | | | | | | | |
| | 140 | | | | Г | | | | | П |
| | 141 | | | | | | | | | \Box |
| | 142 | П | | | | | | | | |
| | 143 | | | | | | | | | П |
| | 144 | | | | | | | | | \Box |
| | 145 | | | | | | | | | \sqcap |
| | 146 | | | | | | | | | П |
| | 147 | | | | | | | | | П |
| | 148 | | | | | \Box | | | | П |
| | 149 | | | | | П | | | | \Box |
| | 150 | | | | | | | | | \neg |
| | | | | | | | | | | |